



Mini-engineers worksheet:
STEM experiments

Do at
home

Nurture nature



Origami Flowers

In artist Di Mainstone's imagined world, Tower Bridge becomes abundant (full) with flowers. Fill your home with flora by making these beautiful origami flowers.

Paper

Don't worry if you don't have origami paper. Any paper will do – just cut it to size (15cm x 15cm works well).

Perhaps you have some magazines or newspapers that no-one wants anymore or small bits of wrapping paper? Or you can even colour in the paper yourself before folding.

Make an easy
origami square
– watch our
instructions
online



Share your creations
#TowerBridge

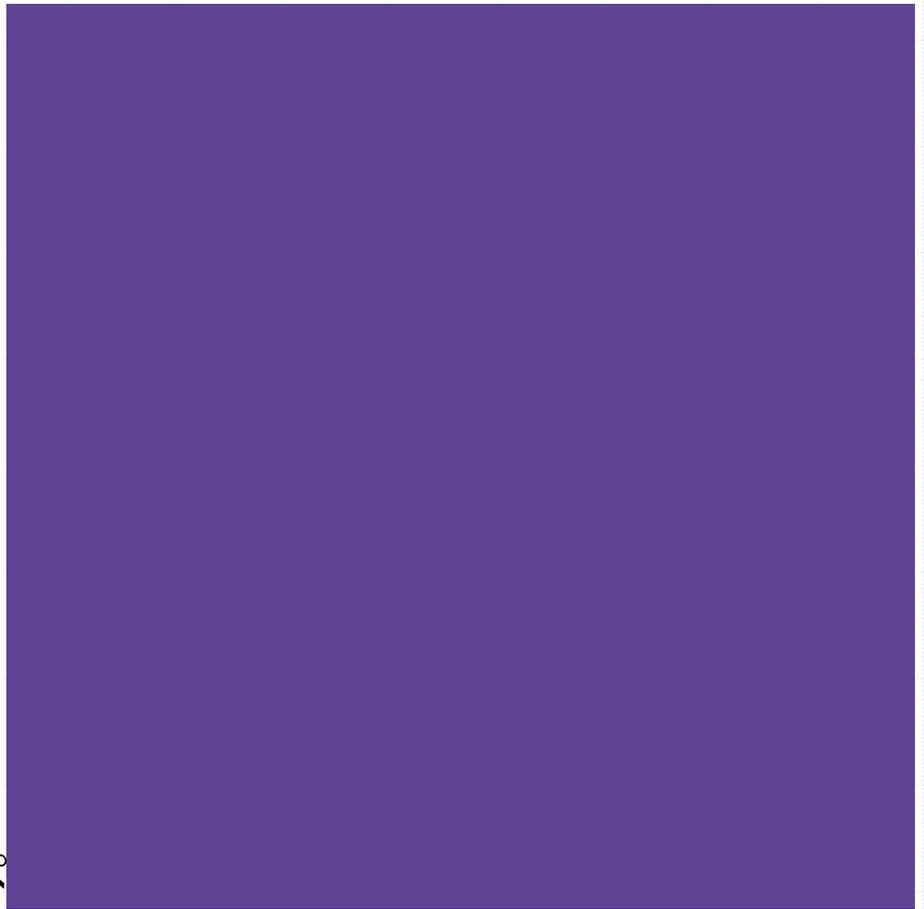
towerbridge.org.uk

Origami Tulip

If you don't have any coloured paper, you can print this out and cut the squares out to use.



✂ 12cm x 12cm

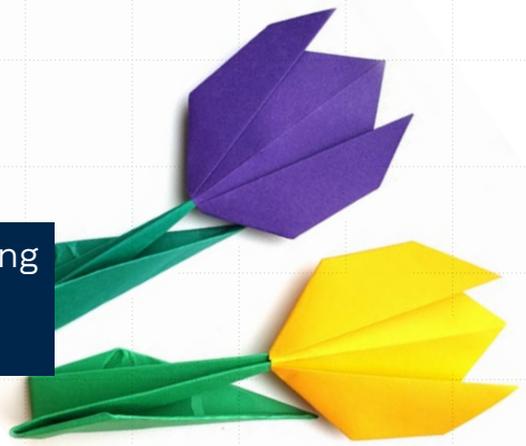


✂ 15cm x 15cm



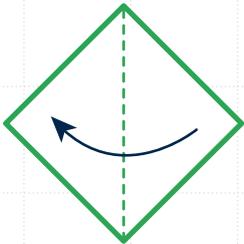
Origami Tulip

This origami flower is so simple and satisfying to make, and even stands up all on its own! Create a tulip display for your windowsill!



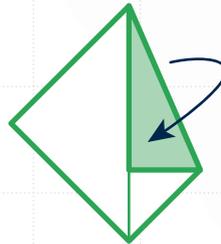
Stem

1



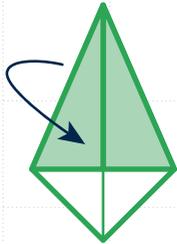
Fold and unfold diagonally to create crease

2



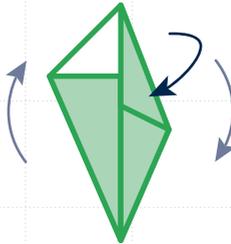
Fold top edge to centre

3



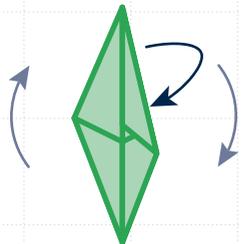
Repeat fold on the other side

4



Fold top edge to centre and repeat on other side

5



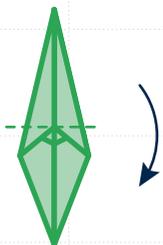
Turn and fold top edge in

6



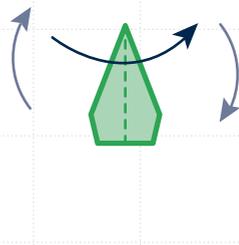
Repeat for other edge

7



Fold above centre, top to bottom

8



Turn and fold in half

9

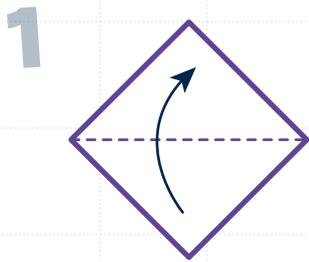


Pull out the inner piece

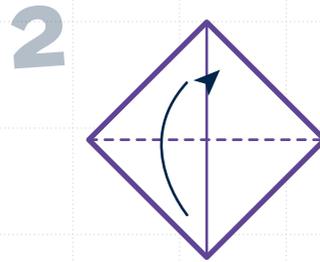


Watch our video online for step-by-step instructions

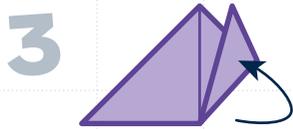
Flower head



Fold and unfold to create crease



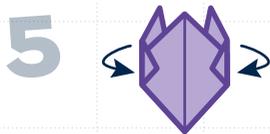
Turn and fold in half



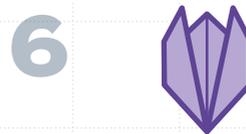
Fold corner in at an angle



Repeat on other side



Turn over and fold the sides

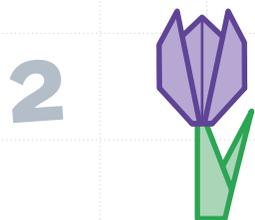


Turn over and there's your flower head!

Put it together



Cut a small piece off the bottom of the flower



And pop it onto the top of the stem.



Share your creations
#TowerBridge

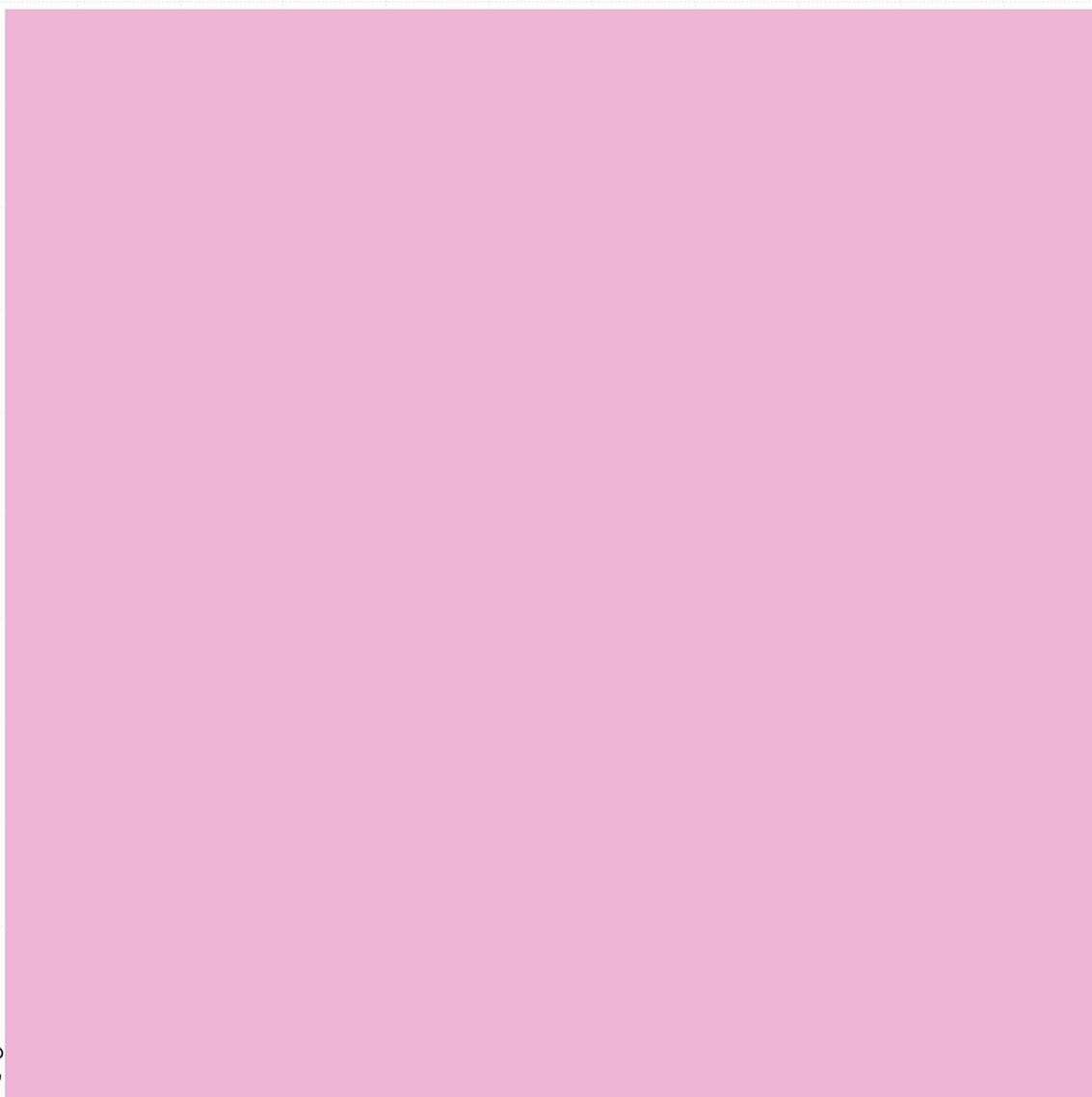
towerbridge.org.uk

Origami Rose

If you don't have any coloured paper, you can print this out and cut the square out to use.



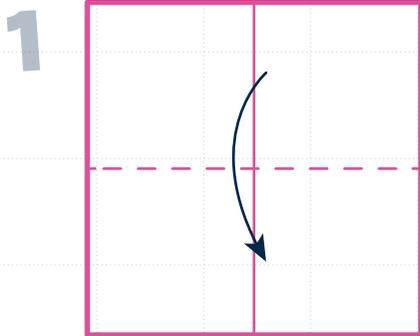
✂ 15cm x 15cm



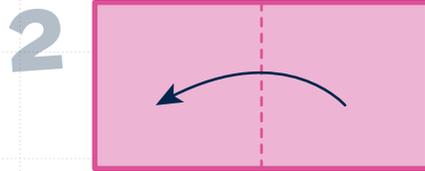
Origami Rose



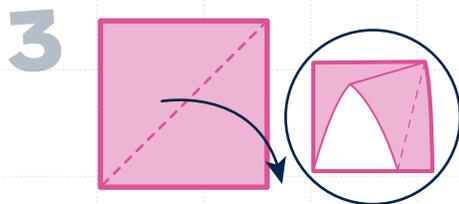
This one is a little trickier to make, but the results make it worth persisting with! Take your time, follow the instructions carefully, and ask for help or check the video if you need to.



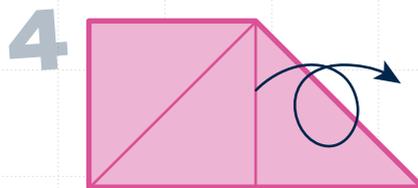
Fold in half



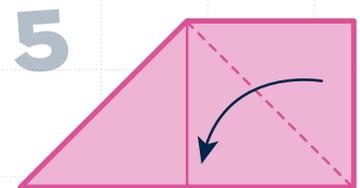
Fold in half again



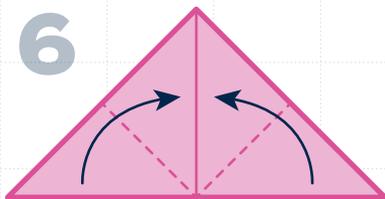
Open the end part and flatten



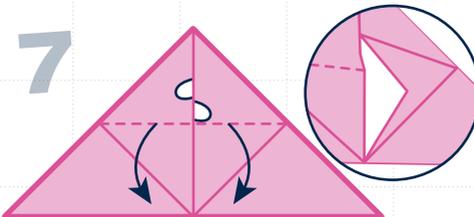
Turn over



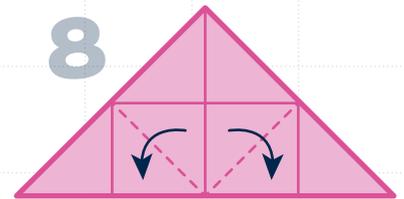
Open the right end part and flatten



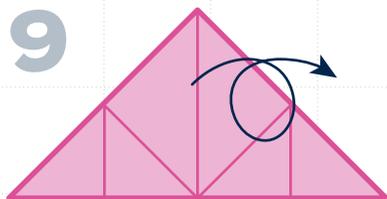
Fold up to meet in centre



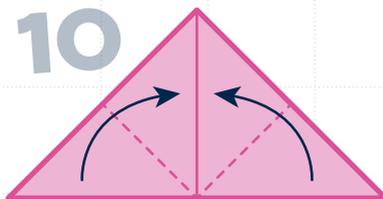
Open the centre triangles and flatten



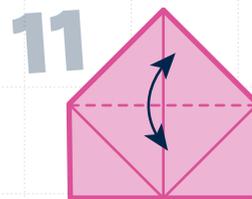
Fold



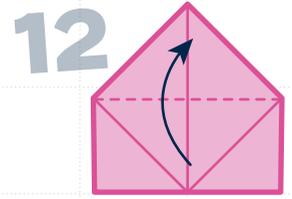
Turn over and repeat other side



Fold down 'peak' and pick up



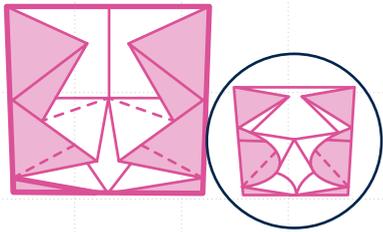
Fold to make a crease and fold back



Fold and open

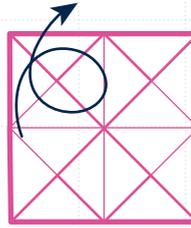


13



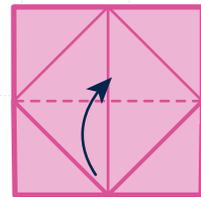
Flatten

14



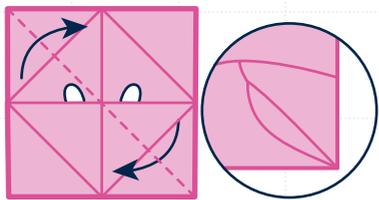
Turn over

15



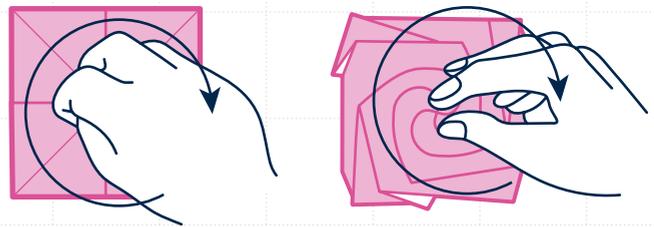
Raise up the triangle in the centre

16



Open up one side of the standing triangle and push one side of this downwards. Repeat for other side

17



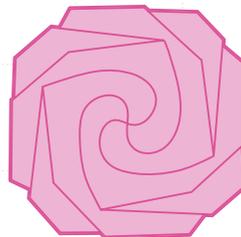
Holding the base in one hand, gently twist the stem in the middle to the right, and a little flower forms!

18



Roll back the petals to make them look more natural

19



And now you have a lovely rose!



Share your creations
#TowerBridge

towerbridge.org.uk